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American Society for Engineering
Education

(Society

FOR THE

Promotion of Engineering Education)

PRELIMINARY LIST OF

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AND

THE CONSTITUTION

August, 1903

(Reprinted from the Proceedings of the Society, Vol. XI.)

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1903-1904.

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* Died October 25, 1903.

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Terms of Office Expire in 1904.

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DAVID C. HUMPHREYS, Washington and Lee University,
OLIN H. LANDRETH, Union College,
WILLIAM G. RAYMOND, Rensselaer Polytechnic Institute,
LOUIS E. REBER, Pennsylvania State College,
LINGAN S. RANDOLPH, Virginia Polytechnic Institute.

Terms of Office Expire in 1905.

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LEWIS J. JOHNSON, Harvard University.
ELWOOD MEAD, University of California,
EDWARD ORTON, JR., Ohio State University,
WILLIAM M. TOWLE, Syracuse University,
J. L. VAN ORNUM, Washington University.

Terms of Office Expire in 1906.

JOHN GALBRAITH, School of Practical Science, Toronto,
CHARLES S. HOWE, Case School of Applied Science.
WALTER M. RIGGS, Agricultural and Mechanical College of South
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FREDERICK P. SPALDING, University of Missouri,
HENRY M. SPANGLER, University of Pennsylvania,
FREDERICK E. TURNEAURE, University of Wisconsin,
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HENRY T. EDDY,	C. FRANK ALLEN,
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IRA O. BAKER,	JAMES C. NAGLE,
FRANK O. MARVIN,	CLARENCE A. WALDO,

ARTHUR N. TALBOT.

LIST OF MEMBERS.

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
ADAMS, COMFORT A., JR... Cambridge, Mass	Assistant Professor of Electrical Engineering, Harvard University.....	1894
ALDERSON, VICTOR C..... Golden, Colo.	President of Colorado School of Mines.	1900
ALDRICH, WILLIAM S..... Potsdam, N. Y.	Director, Clarkson School of Technology	1893
ALLEN, C. FRANK..... Boston, Mass.	Professor of Railroad Engineering, Massachusetts Institute of Technology	1893
ALLEN, CHARLES M..... 8 Dean St., Worcester, Mass.	Assistant Professor of Experimental Engineering, Worcester Polytechnic Institute	1903
ANDERSON, F. PAUL..... Lexington, Ky.	Dean of the School of Mechanical and Electrical Engineering, Professor of Mechanical Engineering, State College of Kentucky.....	1894
ANDERSON, DOUGLAS S.... New Orleans, La.	Associate Professor of Electrical Engineering, Tulane University.....	1900
ANTHONY, GARDNER C..... Tufts College, Mass.	Professor of Technical Drawing and Dean of the Department of Engineering, Tufts College.....	1896
ARNOLD, BION J..... Chicago, Ill.	Consulting Electrical Engineer, 1539 Marquette Bldg.....	1896
AYER, ARTHUR W..... 35th St. and Gray's Ferry Road, Philadelphia, Pa.	Mechanical Engineer for Harrison Bros. and Co.....	1894
AYERS, BROWN..... New Orleans, La.	Professor of Physics and Electrical Engineering, Dean of College of Technology, Tulane University.....	1898
BAKER, IRA O..... Champaign, Ill.	Professor of Civil Engineering, University of Illinois.....	1893

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
BARNEY, SAMUEL E., JR... New Haven, Conn.	Assistant Professor of Civil Engineer- ing, Yale University.....	1894
BARR, JOHN H..... Syracuse, N. Y.	Smith Premier Typewriter Company..	1902
BARRACLOUGH, S. HENRY.. Sydney, N. S. W., Aus- tralia.	Lecturer on Mechanism and Applied Thermodynamics, Russell School of Engineering, University of Sydney..	1900
BARROWS, HAROLD K..... 43 South Prospect St., Burlington, Vt.	Associate Professor of Civil Engineer- ing, University of Vermont.....	1902
BATES, ONWARD..... 320 Belden Ave., Chicago, Ill.	President of Bates and Rogers Con- struction Company.....	1903
BENJAMIN, CHARLES H.... Cleveland, Ohio.	Professor of Mechanical Engineering, Case School of Applied Science.....	1893
BERG, WALTER G..... 261 West 52d St. New York City.	Chief Engineer, Lehigh Valley Rail- road Co.....	1901
BEYER, SAMUEL W..... Ames, Iowa.	Professor of Geology and Mining Engi- neering, Iowa State College.....	1899
BEYER, T. RAYMOND..... 119 Maplewood Ave., Germantown, Pa.	Civil Engineer.....	1895
BISSELL, GEORGE W..... Ames, Iowa.	Professor of Mechanical Engineering, Iowa State College.....	1894
BIXBY, WM. H..... Jones Bldg., Detroit, Mich.	Major Corps of Engineers, U. S. Army, U. S. Engineer Office.....	1898
BLANCHARD, ARTHUR H.... Brown University, Providence, R. I.	Assistant Professor of Civil Engineer- ing, Brown University.....	1902
BOARDMAN, HAROLD S.... Orono, Me.	Associate Professor of Civil Engi- neering, in Charge of Department, University of Maine.....	1903
BOVEY, HENRY T..... Montreal, Que.	Dean of the Faculty of Applied Science, Professor of Civil Engineer- ing and Applied Mechanics, McGill University	1893

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
BRADFORD, JOSEPH N..... Columbus, Ohio.	Professor of Architecture and Draw- ing, Ohio State University.....	1896
BRADY, FRANK W..... Scranton, Pa.	Engineering Text-book Writer for the International Correspondence School.	1899
BRAY, CHARLES D..... Tufts College, Mass.	Professor of Civil and Mechanical En- gineering, Tufts College.....	1894
BRECKENRIDGE, LESTER P... Urbana, Ill.	Professor of Mechanical Engineering, University of Illinois.....	1893
BRILL, GEORGE M..... 1143-1144 Marquette B'lding, Chicago, Ill.	Consulting Engineer.....	1894
BROOKE, WILLIAM E..... Minneapolis, Minn.	Instructor in Engineering Mathe- matics, University of Minnesota....	1902
BROOKS, JOHN P..... Lexington, Ky.	Professor of Civil Engineering, State College of Kentucky.....	1898
BROOKS, MORGAN..... Urbana, Ill.	Professor of Electrical Engineering, University of Illinois.....	1899
BROWN, HAROLD W..... 21 Olive Street, Cleveland, O.	With Brown Hoisting Machine Co....	1903
BROWN, J. STANFORD..... 489 Fifth Ave., New York City.	New York Realty and Trust Co.....	
BROWNE, WM. HAND, JR.... 431 Beech St., Richmond Hill, N. Y.	Technical Editor of the Electrical Re- view, New York.....	1899
BRUEGEL, A. THEODORE..... 3728 Walnut St., Philadelphia, Pa.	Professor of Mechanical Engineering, Drexel Institute	1900
BRYDONE-JACK, ERNEST E.. Fredericton, New Brunswick.	Dean of the Engineering Faculty, Uni- versity of New Brunswick.....	1902
BULL, STORM..... Madison, Wis.	Professor of Steam Engineering, University of Wisconsin.....	1893
BURGESS, CHARLES F..... Madison, Wis.	Assistant Professor of Electrical En- gineering, University of Wisconsin..	1896

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
BURR, WILLIAM H. New York, N. Y.	Professor of Civil Engineering, Columbia University.....	1893
CALDWELL, FRANCIS C. Columbus, Ohio.	Professor of Electrical Engineering, Ohio State University.....	1897
CARHART, DANIEL,..... Wilkinsburg, Allegheny, Pa.	Professor of Civil Engineering and Dean of the Faculty, Western Uni- versity of Pennsylvania.....	1902
CARPENTER, LOUIS G. Fort Collins, Colo.	Professor of Civil and Irrigation En- gineering, Director of Experiment Station, Colorado State Agricultural College	1895
CARPENTER, ROLLA C. Ithaca, N. Y.	Professor of Experimental Engineer- ing, Cornell University.....	1893
CARSON, WILLIAM W. Knoxville, Tenn.	Professor of Civil Engineering, University of Tennessee.....	1894
CHANDLER, CLARENCE A. 12 Westland St., Worcester, Mass.	Superintendent of the Washburn Shops, Worcester Polytechnic Insti- tute.....	1902
CHASE, CHARLES H. 37 Lincoln St., Stoneham, Mass.	Assistant Professor of Steam Engi- neering, Tufts College.....	1900
CHATBURN, GEORGE R. Lincoln, Neb.	Assistant Professor of Civil Engineer- ing, University of Nebraska.....	1899
CHRISTY, SAMUEL B. Berkeley, Cal.	Professor of Mining and Metallurgy, University of California.....	1893
COLBURN, GEORGE L. Rochester, N. Y.	Instructor in Machine Work and Me- chanical Drawing, Rochester Atha- neum and Mechanics Institute.....	1901
COLBY, IRVING A. 119 Stewart Ave., Ithaca, N. Y.	Instructor in Wood Working, Cornell University.....	1902
CONSTANT, FRANK H. Minneapolis, Minn.	Professor of Structural Engineering, University of Minnesota.....	1896
COOLEY, MORTIMER E. Ann Arbor, Mich.	Professor of Mechanical Engineering, University of Michigan.....	1893
CORTHELL, ELMER L. 1 Nassau St., New York City.	Civil Engineer.....	1895

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
COX, NELSON H..... Lake City, Fla.	Professor of Mechanical Engineering, Florida Agricultural College.....	1903
CRANDALL, CHARLES L..... Ithaca, N. Y.	Professor of Railroad Engineering and Geodesy, Cornell University.....	1893
CREIGHTON, W. H. P..... New Orleans, La.	Professor of Mechanical Engineering, Tulane University.....	1893
CRENSHAW, BOLLING H..... Auburn, Ala.	Associate Professor of Mathematics, Alabama Polytechnic Institute.....	1894
CRUIKSHANK, BARTON..... San Francisco, Cal.	President, Cogswell Polytechnic College.....	1909
DAVIS, ELLERY W..... Lincoln, Neb.	Dean of College of Literature, Science and the Arts, University of Nebraska.	1902
DEAN, ARTHUR D..... Springfield, Mass.	First Assistant, Mechanic Arts High School	1891
DENISON, CHARLES S..... Ann Arbor, Mich.	Professor of Stereotomy, Mechanism and Drawing, University of Michigan.	1893
DENTON, JAMES E..... Hoboken, N. J.	Professor of Mechanical Engineering and Shopwork, Stevens Institute of Technology	1893
DENTON, FREDERICK W..... Houghton, Mich.	Superintendent, Winona Mine.....	1904
DIEMER, HUGO..... Lawrence, Kans.	Associate Professor of Mechanical Engineering, University of Kansas..	1902
DRANE, WALTER H..... University, Miss.	Professor of Civil Engineering, University of Mississippi.....	1893
DROWN, THOMAS M..... South Bethlehem, Pa.	President, Lehigh University.....	1895
DU BOIS, A. JAY..... New Haven, Conn.	Professor of Civil Engineering, Yale University.....	1894
DUDLEY, CHARLES B..... Altoona, Pa.	Chemist, Pennsylvania Railroad Company....	1904
DUNCAN, LINDSAY..... Boulder, Col.	Professor of Civil Engineering, Uni- versity of Colorado.....	1891
DURAND, WILLIAM F..... Ithaca, N. Y.	Professor of Marine Engineering, Cornell University.....	1899
EDDY, HENRY T..... Minneapolis, Minn.	Professor of Engineering and Mechan- ics, University of Minnesota.....	1893

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
EDDY, HORACE T..... Cincinnati, O.	Professor of Electrical Engineering, University of Cincinnati.....	1903
EDMANDS, SAMUEL S..... Brooklyn, N. Y.	Instructor in Applied Electricity, Pratt Institute	1903
EMORY, FREDERICK L..... Morgantown, W. Va.	Professor of Mechanics and Applied Mathematics, West Virginia Uni- versity	1894
ENGLER, EDMUND A..... Worcester, Mass.	President, Worcester Polytechnic In- stitute	1897
ESTERLINE, J. WALTER..... 401 State St., West La Fayette, Ind.	Assistant Professor of Electrical En- gineering, Purdue University.....	1903
ESTY, WILLIAM..... South Bethlehem, Pa.	Professor of Electrical Engineering, Lehigh University.....	1898
FAIG, JOHN T..... Lexington, Ky.	Professor of Machine Design, State College of Kentucky.....	1899
FARWELL, ELMER S..... 309 Broadway, New York.	Consulting Engineer.....	1895
FERMIER, EMILE J..... West La Fayette, Ind.	Instructor in Applied Mechanics, Purdue University.....	1903
FERNALD, ROBERT H..... St. Louis, Mo.	Professor of Mechanical Engineering, Washington University.....	1899
FISHER, JAMES, JR..... Houghton, Mich.	Instructor in Mathematics and Physics, Michigan College of Mines..	1899
FLATHER, JOHN J..... Minneapolis, Minn.	Professor of Mechanical Engineering, University of Minnesota.....	1893
FLETCHER, ROBERT..... Hanover, N. H.	Professor of Civil Engineering, Direc- tor of Thayer School of Civil Engi- neering, Dartmouth College.....	1894
FLINT, WALTER..... Port Deposit, Md.	Supervising Engineer, The Jacob Tome Institute.....	1898
FORD, ARTHUR H..... Atlanta, Ga.	Professor of Electrical Engineering, Georgia School of Technology.....	1903
ROSS, FRED. E..... State College, Pa.	Professor of Civil Engineering, Pennsylvania State College.....	1893

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
FOWLER, CHARLES E..... 95 Gesler Way, Seattle, Wash.	President of Puget Sound Bridge and Dredging Co.....	1903
FOYÉ, ANDREW E..... 11 Broadway, New York City.	Vice-President of Standard Graphite Co.	1903
FRANKFORTER, GEORGE B.... Minneapolis, Minn.	Professor of Chemistry, University of Minnesota.....	1897
FRANKLIN, WILLIAM S..... Bethlehem, Pa.	Professor of Physics, Lehigh University.....	1900
FREEDMAN, WILLIAM H.... 222 South Union St., Burlington, Vt.	Professor of Electrical Engineering, University of Vermont.	1902
FRENCH, ARTHUR W..... Worcester, Mass.	Professor of Civil Engineering, Worcester Polytechnic Institute.....	1900
FRENCH, THOMAS E..... Columbus, O.	Associate Professor of Architecture and Drawing, Ohio State University.	1899
FRINK, FRED. G..... Ann Arbor, Mich.	Instructor in Civil Engineering, Uni- versity of Michigan.....	1902
FULLAN, M. THOMAS J.... Auburn, Ala.	Assistant in Mechanical Engineering, Alabama Polytechnic Institute.....	1897
FULLER, ALMON H..... University Station, Seattle, Wash.	Professor of Civil Engineering, University of Washington.....	1901
GALBRAITH, JOHN..... Toronto, Ont.	Principal and Professor of Engineer- ing, School of Practical Science.....	1893
GANZ, ALBERT F..... Hoboken, N. J.	Professor of Electrical Engineering, Stevens Institute.....	1903
GIESECKE, F. E..... College Station, Tex.	Professor of Drawing, Texas Agricul- tural and Mechanical College.....	1893
GILL, JAMES H..... Bozeman, Mont.	Assistant Professor of Mechanical Practice, Montana College of Agricul- ture and Mechanic Arts.....	1896
GLADSON, WILLIAM N.... Fayetteville, Ark.	Professor of Electrical Engineering, University of Arkansas.....	1903

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
GOLDSBOROUGH, WINDER E.. Lafayette, Ind.	Professor of Electrical Engineering, Director of the Electrical Laboratory, Purdue University.....	1897
GOODENOUGH, GEORGE A.... Urbana, Ill.	Assistant Professor of Mechanical En- gineering, University of Illinois....	1900
GOSS, WILLIAM F. M..... Lafayette, Ind.	Professor of Experimental Engineer- ing and Dean of Schools of Engineer- ing, Purdue University.....	1893
GRAY, THOMAS..... Terre Haute, Ind.	Professor of Dynamic Engineering, Rose Polytechnic Institute.....	1895
GREENE, ARTHUR M., JR.... Columbia, Mo.	Professor of Mechanical Engineering, University of Missouri.....	1903
GRIFFIN, CHARLES L..... Syracuse, N. Y.		1900
GROAT, BENJAMIN F..... Minneapolis, Minn.	Assistant Professor of Mathematics and Mechanics, School of Mines, University of Minnesota.....	1899
GROVER, NATHAN C..... Orono, Me.	Engineer, U. S. Geological Survey....	1894
HALSTED, GEORGE B..... Annapolis, Md.	Professor of Mathematics, St. John's College.....	1899
HAMERSCHLAG, ARTHUR O.. Pittsburg, Pa.	Director Carnegie Technical Schools..	1903
HANCOCK, EDWARD L..... La Fayette, Ind.	Instructor in Applied Mechanics, Purdue University.....	1903
HARRINGTON, JOHN LYLE... West New Brighton, N. Y.	Engineer, C. W. Hunt Co.....	1903
HARRIS, ABRAM W..... Port Deposit, Md.	Director of The Jacob Tome Institute.	1897
HARRIS, ELMO G..... Rolla, Mo.	Professor of Civil Engineering, School of Mines and Metallurgy, University of Missouri.....	1894

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
HASBROUCK, CHAS. A. 1315 Monadnock Blk. Chicago, Ill	Contracting Manager of American Bridge Co., Western Division.....	1903
HATT, WILLIAM K. Lafayette, Ind.	Professor of Applied Mechanics, Pur- due University.....	1895
HAVILAND, EDWIN, JR. Potsdam, N. Y.	Professor of Mathematics and Civil Engineering, Clarkson School of Technology	1902
HAWES, JOSEPH H. Durham, N. H.	Associate Professor of Drawing, New Hampshire College of Agricul- ture and the Mechanic Arts.....	1900
HAYNES, ARTHUR E. Minneapolis, Minn.	Professor of Engineering Mathematics, University of Minnesota.....	1895
HAZEN, JOHN V. Hanover, N. H.	Professor of Civil Engineering, Dartmouth College.....	1896
HEDRICK, IRA G. 608 New Nelson Bldg., Kansas City, Mo.	Consulting Engineer.....	1903
HELLER, ALBERT H. 1249 Niel Ave., Columbus, O.	Professor of Civil Engineering, Ohio State University.....	1903
HERGET, ALBERT M. 311 Convention St., Baton Rouge, La.	Professor of Drawing and Mechanic Arts, Louisiana State University...	1903
HIBBARD, H. WADE. Ithaca, N. Y.	Professor of Mechanical Engineering of Railways, Sibley College, Cornell University	1896
HILL, JOHN E. Providence, R. I.	Professor of Civil Engineering, Brown University.....	1894
HITCHCOCK, EMBURY A. Columbus, Ohio.	Professor of Experimental Engineer- ing, Ohio State University.....	1899
HOAG, WILLIAM R. Minneapolis, Minn.	Professor of Civil Engineering, University of Minnesota.....	1893
HOFMAN, HEINRICH O. Boston, Mass.	Professor of Metallurgy, Massachu- setts Institute of Technology.....	1894

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
HOLDEN, CHARLES A..... Hanover, N. H.	Instructor in Civil Engineering and Mathematics, Thayer School of Civil Engineering, Dartmouth College....	1901
HOLLIS, IRA N..... Cambridge, Mass.	Professor of Engineering, Harvard University.....	1894
HOOD, OZNI P..... Houghton, Mich.	Professor of Mechanical and Electrical Engineering, Michigan College of Mines	1893
HORTON, GEORGE F..... Throop and 105th Sts. Chicago, Ill.	Vice-President of Chicago Bridge and Iron Co.....	1903
HOSKINS, LEANDER M..... Stanford University, California.	Professor of Applied Mathematics, Leland Stanford Junior University..	1893
HOWE, CHARLES S..... Cleveland, Ohio.	President of Case School of Applied Science	1902
HOWE, MALVERD A..... Terre Haute, Ind.	Professor of Civil Engineering, Rose Polytechnic Institute.....	1894
HUME, ALFRED..... University, Miss.	Professor of Mathematics, University of Mississippi.....	1894
HUMPHREYS, ALEXANDER C. Hoboken, N. J.	President of Stevens Institute of Technology	1903
HUMPHREYS, DAVID C..... Lexington, Va.	Professor of Civil Engineering, Washington and Lee University.....	1893
HUTTON, FREDERICK R..... New York, N. Y.	Professor of Mechanical Engineering, Columbia University.....	1894
IVES, HOWARD C..... Philadelphia, Pa.	Assistant Professor of Civil Engineering, University of Pennsylvania.....	1901
JACKSON, DUGALD C..... Madison, Wis.	Professor of Electrical Engineering, University of Wisconsin.....	1893
JACKSON, JOHN P..... State College, Pa.	Professor of Electrical Engineering, Pennsylvania State College.....	1894
JACOBUS, D. S..... Hoboken, N. J.	Professor of Experimental Mechanics and Engineering Physics, Stevens Institute of Technology....	1893

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
JACOBY, HENRY S..... Ithaca, N. Y.	Professor of Bridge Engineering and Graphics, Cornell University.....	1894
JAMESON, JOSEPH M..... Brooklyn, N. Y.	Instructor in Physics, Pratt Institute	1903
JENSON, JOSEPH..... Logan, Utah.	Professor of Mechanical Engineering, State Agricultural College of Utah..	1903
JETT, CARTER C..... 3200 West Ave., Newport News, Va.	Draughtsman Newport News Ship-building and Dry-dock Co.....	1902
JOHNSON, LEWIS J..... Cambridge, Mass.	Assistant Professor of Civil Engineering, Lawrence Scientific School, Harvard University.....	1898
JONES, CLEMENT R..... Morgantown, W. Va.	Professor of Mechanical Engineering, West Virginia University.....	1895
JONES, FORREST R..... Ithaca, N. Y.	Professor of Machine Design, Sibley College, Cornell University...	1893
JONES, FREDERICK S..... Minneapolis, Minn.	Professor of Physics and Dean of College of Engineering, University of Minnesota	1903
KAUP, WILLIAM J..... Brooklyn, N. Y.	Instructor in Machine Construction, Pratt Institute.....	1903
KAVANAUGH, WILLIAM H.. Minneapolis, Minn.	Assistant Professor of Mechanical Engineering, in charge of Experimental Engineering, University of Minnesota	1902
KAY, EDGAR B..... University, Ala.	Professor of Civil Engineering, University of Alabama.....	1898
KENERSON, WILLIAM H.... 11 Hudson St., Providence, R. I.	Assistant Professor of Mechanical Engineering, Brown University.....	1903
KENT, JAMES M..... Kansas City, Mo.	Professor in Manual Training High School, of Kansas City.....	1903
KENT, WILLIAM..... Syracuse, N. Y.	Dean of the College of Applied Science, Syracuse University.....	1894
KENYON, ALFRED M..... 103 Waldron St., West La Fayette, Ind.	Professor of Mathematics, Purdue University	1903

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
KERR, CHARLES V..... 3321 Armour Ave., Chicago, Ill.	Professor of Mechanical Engineering, Armour Institute of Technology....	1902
KETCHUM, MILO S..... Kansas City, Mo.	With American Bridge Co.....	1903
KINEALY, J. H..... 1108 Pemberton Bldg., Boston, Mass.	Consulting Mechanical Engineer.....	1893
KINGSBURY, ALBERT..... East Pittsburg, Pa.	Mechanical Engineer, with Westing- house Electric and Manufacturing Co.	1893
KINSLEY, CARL..... Quadrangle Club, Chicago, Ill.	Assistant Professor of Physics, Uni- versity of Chicago.....	1903
KNOCH, JULIUS J..... Fayetteville, Ark.	Professor of Civil Engineering, University of Arkansas.....	1898
KYSER, HENRY H..... Clemson College, S. C.	Assistant Professor of Electrical Engi- neering, Clemson Agricultural Col- lege	1897
LADD, GEORGE E..... Rolla, Mo.	Director and Professor of Geology and Mining, School of Mines and Metallurgy	1901
LAMBERT, PRESTON A..... South Bethlehem, Pa.	Assistant Professor of Mathematics, Lehigh University.....	1897
LANDRETH, OLIN H..... Schenectady, N. Y.	Professor of Civil Engineering, Union College.....	1893
LANE, HENRY M..... Rose Building, Cleveland, O.	Editor of the Foundry.....	1900
LANGSDORF, ALEXANDER S.. St. Louis, Mo.	Assistant Professor of Electrical En- gineering, Washington University...	1903
LANPHEAR, BURTON S..... Ames, Iowa.	Assistant Professor of Electrical En- gineering, Iowa State College.....	1897
LANZA, GAETANO... .. Boston, Mass.	Professor of Applied Mechanics, in charge of the Department of Mechan- ical Engineering, Massachusetts In- stitute of Technology.....	1893
LA RUE, BENJAMIN F..... Scranton, Pa.	Principal School of Civil Engineering, International Correspondence Schools	1899

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
LAWRENCE, JAMES W..... Fort Collins, Colo.	Professor of Mechanical Engineering, State Agricultural College.....	1898
LOVE, ANDREW C..... College Station, Tex.	Assistant Professor of Drawing, Agri- cultural and Mechanical College of Texas	1900
LUDY, LLEWELLYN V..... 229 University St., West La Fayette, Ind.	Assistant Professor of Mechanical En- gineering, Purdue University.....	1903
LUND, ROBERT L..... 2102 Hays St., Nashville, Tenn.	Adjunct Professor of Civil Engineer- ing, Vanderbilt University.....	1902
MCCAUSTLAND, ELMER J.... Ithaca, N. Y.	Assistant Professor of Mining and Surveying, Cornell University.....	1902
MCCOLL, JAY R..... La Fayette, Ind.	Associate Professor in Steam Engi- neering, Purdue University.....	1894
MCNAIR, FRED W..... Houghton, Mich.	President, Michigan College of Mines.	1897
MACK, JOHN G. D..... 222 Jefferson St., Madi- son, Wis.	Professor of Machine Design, College of Engineering, University of Wis- consin.....	1901
MACOMBER, IRWIN J..... 422 Thirty-fourth St., Chicago, Ill.	Professor of Electrical Engineering, Armour Institute of Technology....	1902
MAGOWAN, CHARLES S..... Iowa City, Iowa.	Professor of Municipal and Sanitary Engineering, State University of Iowa	1896
MAGRUDER, WILLIAM T.... Columbus, Ohio.	Professor of Mechanical Engineering, Ohio State University.....	1893
MAITLAND, ALEXANDER, JR.. 1109 McGee St., Kansas City, Mo.	Contracting Manager of the American Bridge Co.....	1903
MANN, JOHN L..... Hanover, N. H.	Associate Professor of Civil Engineer- ing and Mechanical Drafting, Thayer School of Civil Engineering.....	1902
MARBURG, EDGAR..... Philadelphia, Pa.	Professor of Civil Engineering, University of Pennsylvania.....	1894

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
MARSTON, ANSON..... Ames, Iowa.	Professor of Civil Engineering, Iowa State College.....	1894
MARVIN, FRANK O..... Lawrence, Kan.	Dean of the School of Engineering, Professor of Civil Engineering, University of Kansas.....	1893
MARX, CHARLES D..... Stanford University, Cal.	Professor of Civil Engineering, Leland Stanford Junior University..	1893
MATHER, THOMAS W..... Miami, Fla.		1894
MATHEWS, HUBERT B..... Brookings, S. Dak.	Professor of Physics, South Dakota Agricultural College..	1896
MATTHEWS, CHARLES P.... Lafayette, Ind.	Associate Professor of Electrical En- gineering, Purdue University.....	1898
MAURER, EDWARD R..... Madison, Wis.	Professor of Mechanics, University of Wisconsin.....	1897
MEAD, ELWOOD..... Washington, D. C.	Professor of the Institutions and Practice of Irrigation, University of California; Expert in charge of Irrigation Investigations of the U. S. Department of Agriculture.....	1901
MEEKER, WARREN H..... Ames, Iowa.	Associate Professor of Mechanical En- gineering, Iowa State College.....	1903
MEES, CARL L..... Terre Haute, Ind.	President, Rose Polytechnic Institute.....	1894
MENDENHALL, THOMAS C... Worcester, Mass.		1895
MERRIMAN, MANSFIELD..... South Bethlehem, Pa.	Professor of Civil Engineering, Lehigh University.....	1893
MIGGETT, WILLIAM L..... 331 Jefferson St., Ann Arbor, Mich.	Superintendent of the Engineering Shops, University of Michigan.....	1902
MORAN, DANIEL E..... 35 Nassau St., New York City.	Secretary and Engineer of Founda- tion and Contracting Co., New York City	1903
MOORE, STANLEY H..... Kansas City, Mo.	Director Manual Training Department, Manual Training High School.....	1902

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP
MORE, CHARLES C..... Port Townsend, Wash.	U. S. Engineer's Office.....	1901
MORLEY, FREDERICK..... Lapeer, Mich.	Res. Engr. St. Clair Flats Survey for the State of Michigan.....	1896
MUNROE, HENRY S..... New York, N. Y.	Professor of Mining, Columbia University.....	1893
NAGLE, JAMES C..... College Station, Tex.	Professor of Civil Engineering, Agricultural and Mechanical College of Texas.....	1897
NEFF, FRANK H..... Cleveland, Ohio.	Professor of Civil Engineering, Case School of Applied Science.....	1895
NESBIT, ARTHUR F..... Durham, N. H.	Associate Professor of Physics and Electrical Engineering, New Hamp- shire College of Agriculture and Me- chanic Arts.....	1902
NORRIS, HENRY H..... Ithaca, N. Y.	Assistant Professor of Electrical Engi- neering and Electrician to the De- partment of Light, Heat and Power, Cornell University.....	1900
ORDWAY, JOHN M..... New Orleans, La.	Professor of Biology, A. T. Newcomb College	1894
ORTON, EDWARD, JR..... Columbus, Ohio.	Dean of College of Engineering, Direc- tor of the Department of Clay Work- ing and Ceramics, State Geologist of Ohio, Ohio State University.....	1900
OSTRANDER, JOHN E..... Amherst, Mass.	Professor of Mathematics and Civil Engineering, Massachusetts Agricul- tural College.....	1894
OWENS, ROBERT B..... Montreal, Que.	Professor of Electrical Engineering, McGill University.....	1894
PALMER, CHAS. S..... Golden, Col.		1903
PALMER, WALTER K..... 401 N. Y. Life Bldg., Kansas City, Mo.	Consulting Mechanical and Electrical Engineer	1899
PARK, CHARLES F..... 62 Summer St., Taunton, Mass.	Assistant Professor of Mechanical En- gineering, Massachusetts Institute of Technology	1903

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
PENCE, WILLIAM D..... Lafayette, Ind.	Professor of Civil Engineering, Purdue University.....	1895
PETTEE, CHARLES H..... Durham, N. H.	Professor of Mathematics, New Hamp- shire College.....	1898
PHETTEPLACE, THURSTON M. 1612 Broad St., Providence, R. I.	Instructor in Mechanical Engineering, Brown University.....	1903
PHILLIPS, JAMES D..... Madison, Wis.	Assistant Professor of Engineering Drawing, University of Wisconsin...	1899
PORTER, DWIGHT..... Boston, Mass.	Professor of Hydraulic Engineering, Massachusetts Institute of Technol- ogy	1893
PORTER, J. MADISON..... Easton, Pa.	Professor of Civil Engineering, Lafayette College.....	1893
POWELL, EMERY H..... 1538 Madison Ave., Scranton, Pa.	Engineering Text-book Writer, Inter- national Correspondence School.....	1903
PRICE, MELVIN..... Lincoln, Neb.	Instructor in Mechanical Drawing and Machine Design, University of Nebraska	1900
PUFFER, WILLIAM L..... Boston, Mass.	Associate Professor of Electrical En- gineering, Massachusetts Institute of Technology	1903
PUPIN, MICHAEL I..... New York, N. Y.	Professor of Electro-mechanics, Columbia University.....	1895
PURYEAR, CHARLES..... College Station, Tex.	Professor of Mathematics, Agricul- tural and Mechanical College of Texas	1901
RANDALL, OTIS E..... Providence, R. I.	Professor of Mechanical Drawing, Brown University.....	1903
RANDOLPH, LINGAN S..... Blacksburg, Va.	Professor of Mechanical Engineering, Virginia Polytechnic Institute.....	1894
RAYMOND, WILLIAM G..... Troy, N. Y.	Professor of Geodesy and Road Engi- neering, Rensselaer Polytechnic In- stitute	1893
REBER, LOUIS E..... State College, Pa.	Dean of School of Engineering, Pro- fessor of Mechanical Engineering, The Pennsylvania State College.....	1893

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
REYNOLDS, HERMAN W. Agricultural College, Mich.	Assistant Professor of Mechanical Engineering, Michigan Agricultural College	1903
RICHARDS, CHARLES R. Lincoln, Neb.	Professor of Mechanical Engineering and Director of the School of Mechanic Arts, University of Nebraska.	1895
RICHARDS, ROBERT H. Boston, Mass.	Professor of Mining Engineering and Metallurgy, Massachusetts Institute of Technology	1895
RICHARDSON, JAMES P. 3918 Wyandotte St., Kansas City, Mo.	Prosser School	1903
RICHTER, ARTHUR W. Madison, Wis.	Professor of Experimental Engineering, University of Wisconsin	1894
RICKER, N. CLIFFORD. Urbana, Ill.	Dean of College of Engineering, University of Illinois	1894
RIGGS, WALTER M. Clemson College, S. C.	Professor of Electrical Engineering, and Director of the Mechanical Department, Agricultural and Mechanical College of South Carolina	1897
ROBBINS, ARTHUR G. Boston, Mass.	Assistant Professor of Highway Engineering, Massachusetts Institute of Technology	1894
ROBERTS, WILLIAM J. Pullman, Wash.	Associate Professor of Mathematics and Civil Engineering, Washington Agricultural College and School of Science	1903
ROBINSON, EDWARD. Burlington, Vt.	Professor of Mechanical Engineering, University of Vermont	1899
ROBINSON, FREDERIC H. Newark, Del.	Professor of Civil Engineering, Delaware College	1894
ROBINSON, STILLMAN W. Columbus, Ohio.	Mechanical Engineer and Expert, 1353 Highland St.	1893
RONDINELLA, LINO F. 728 Stephen Girard Bldg., Philadelphia, Pa.	Professor of Constructive Drawing, Central Manual Training School of Philadelphia	1903

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
ROSEBRUGH, THOMAS R.... Toronto, Ontario.	Professor of Electrical Engineering, School of Practical Science.....	1896
ROWE, GEORGE H..... Stanford University. Cal.	Professor of Electrical Engineering, Leland Stanford Junior University.	1903
ROWLAND, ARTHUR J..... 4510 Osage Ave., Philadelphia, Pa.	Professor of Electrical Engineering, Drexel Instituté.....	1903
RUSSELL, WALTER B..... Brooklyn N. Y.	Assistant Instructor in Steam and Me- chanical Laboratory, Pratt Institute.	1903
RYAN, HARRIS J..... 114 Cascadilla Place, Ithaca, N. Y.	Professor of Electrical Engineering, Sibley College, Cornell University..	1901
SANBORN, FRANK E..... Columbus, O.	Director Industrial Arts Department, Secretary of the College of Engineer- ing, Ohio State University.....	1899
SCHMIDT, EDWARD C..... St. Paul, Minn.	Assistant Engineer, American Hoist and Derrick Company.....	1899
SCHNEIDER, HERMAN..... Cincinnati, O.	Instructor in Civil Engineering, University of Cincinnati.....	1903
SCHUERMAN, WILLIAM H... Nashville, Tenn.	Dean of the Engineering Department, Professor of Civil Engineering, Van- derbilt University.....	1895
SCOTT, ARTHUR C..... Austin, Texas.	Professor of Electrical Engineering, University of Texas.....	1903
SEDGWICK, WILLIAM T..... Boston, Mass.	Professor of Biology, Massachusetts Institute of Technology.....	1896
SEVER, GEORGE F..... New York, N. Y.	Adjunct Professor of Electrical En- gineering, Columbia University.....	1903
SHELDON, SAMUEL..... Brooklyn, N. Y.	Professor of Physics and Electrical Engineering, Polytechnic Institute of Brooklyn	1903
SHEPARDSON, GEORGE D..... Minneapolis, Minn.	Professor of Electrical Engineering, University of Minnesota.....	1895

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
SHORT, ROBERT L..... Chicago, Ill.	With D. C. Health & Co.....	1902
SLOCUM, ROY H..... Urbana, Ill.	Instructor in Theoretical and Applied Mechanics, University of Illinois....	1903
SMITH, ALTON L..... Worcester, Mass.	Assistant Professor of Drawing and Machine Design, Worcester Polytech- nic Institute.....	1902
SMITH, HAROLD B..... Worcester, Mass.	Professor of Electrical Engineering, Worcester Polytechnic Institute....	1898
SMITH, HARRY E..... Brooklyn, N. Y.	Assistant Professor of Mechanical En- gineering, Pratt Institute.....	1895
SMITH, HERBERT S. S..... Princeton, N. J.	Professor of Applied Mechanics, Princeton University.....	1894
SMITH, LEONARD S..... 938 University Ave., Madison, Wis.	Assistant Professor of Topographic and Geodetic Engineering, University of Wisconsin	1903
SNOW, CHARLES H..... New York, N. Y.	Dean of School of Applied Science, New York University.....	1895
SNOW, WALTER B..... 29 Russel Ave., Water- town, Mass.	Mechanical Engineer, B. F. Sturtevant Co., Jamaica Plain, Mass.....	1899
SOLBERG, HALVOR C..... Brookings, S. D.	Professor of Mechanical Engineering, South Dakota Agricultural College..	1894
SPALDING, FREDERICK P.... Columbia, Mo.	Professor of Civil Engineering, University of State of Missouri.....	189
SPANGLER, HENRY W..... Philadelphia, Pa.	Professor of Mechanical Engineering, University of Pennsylvania.....	1895
SPEER, FREDERICK W..... Houghton, Mich.	Professor of Civil and Mining Engi- neering, Michigan College of Mines..	1896
SPINNEY, LOUIS B..... Ames, Iowa.	Professor of Physics and Electrical Engineering, Iowa State College....	1899
SPRINGER, FRANK W., Minneapolis, Minn.	Assistant Professor of Electrical En- gineering, University of Minnesota..	1896

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
STANWOOD, JAMES B..... Cincinnati, Ohio.	Director, Technical School of Cincinnati.....	1894
STEWART, CLINTON B..... Anchor, Ill.	Civil Engineer.....	1894
STEWART, LOUIS B..... Toronto, Ontario.	Lecturer in Surveying, School of Practical Science.....	1897
STOUT, OSCAR VAN P..... Lincoln, Neb.	Professor of Civil Engineering, Uni- versity of Nebraska.....	1894
STUBBS, JOSEPH E..... Reno, Nev.	President, Nevada State University.....	1897
SWAIN, GEORGE F..... Boston, Mass.	Professor of Civil Engineering, Massa- chusetts Institute of Technology....	1893
SWIFT, WALTER..... Sheffield, England.	Secretary of Technical Department, University College.....	1902
TALBOT, ARTHUR N..... Urbana, Ill.	Professor of Municipal and Sanitary Engineering, University of Illinois..	1893
TALBOT, HENRY P..... Boston, Mass.	Professor of Analytical Chemistry, Massachusetts Institute of Tech- nology	1902
TAYLOR, THOMAS U..... Austin, Texas.	Professor of Civil Engineering, Uni- versity of Texas.....	1902
TAYLOR, WILLIAM D..... 415 Wisconsin Ave., Madison, Wis.	Professor of Railway Engineering, University of Wisconsin.....	1894
THALER, JOSEPH A..... Bozeman, Mont.	Professor of Electrical Engineering, Montana College of Agriculture and Mechanic Arts.....	1901
THOMAS, ROBERT G..... Charleston, S. C.	Professor of Mathematics and Engi- neering, South Carolina Military Academy...	1894
THORNBURG, CHARLES L.... South Bethlehem, Pa.	Professor of Mathematics and Astron- omy, Lehigh University.....	1894
*THURSTON, ROBERT H.... Ithaca, N. Y.	Director of Sibley College, Cornell University.....	1893
TIMMERMAN, ARTHUR H.... St. Louis, Mo.	Superintendent Wagner Electric Mfg. Co.	1894

* Died October 25, 1903.

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
TITSWORTH, ALFRED A..... 590 George St., New Brunswick, N. J.	Professor of Graphics and Mathematics, Rutgers College.....	1903
TOWLE, WILLIAM M..... Syracuse, N. Y.	Associate Professor of Practical Mechanics, Smith College, Syracuse University	1895
TURNAURE, FREDERICK E.. Madison, Wis.	Professor of Bridge and Sanitary Engineering, University of Wisconsin..	1894
TURNER, DANIEL L..... Cambridge, Mass.	Instructor in Surveying and Hydraulics, Lawrence Scientific School, Harvard University.....	1898
TURNER, WILLIAM P..... Lafayette, Ind.	Assistant Professor of Practical Mechanics, Purdue University.....	1900
TURRILL, SHERMAN M..... 114 Willoughby St., Brooklyn, N. Y.	Civil Engineer.....	1903
TYLER, HARRY W..... 419 Boylston St., Boston, Mass.	Professor of Mathematics, and Secretary, Massachusetts Institute of Technology	1894
VAN ORNUM, J. L..... St. Louis, Mo.	Professor of Civil Engineering, Washington University.....	1895
VEDDER, HERMAN K..... Agricultural College, Mich.	Professor of Mathematics and Civil Engineering, Michigan State Agricultural College.	1894
VOTEY, J. WILLIAM..... Burlington, Vt.	Professor of Civil Engineering, University of Vermont.....	1902
VOSSKUEHLER, JOSEPH H.. Columbus, Ohio.	Instructor in Drawing, Ohio State University	1902
WADDELL, J. A. L..... Kansas City, Mo.	Consulting Bridge Engineer, of Waddell and Hedrick.....	1893
WADSWORTH, JOEL E..... 22 Marsemere Place, Yonkers, N. Y.	Assistant Chief Engineer, Operating and Engineering Department, Eastern Division, American Bridge Co...	1895
WADSWORTH, M. EDWARD... State College, Pa.	Professor of Mining and Geology, Pennsylvania State College.....	1895
WALDO, CLARENCE A..... Lafayette, Ind.	Head Professor of Mathematics, Purdue University.....	1897

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
WALKER, ELTON D..... State College, Pa.	Professor of Hydraulic and Sanitary Engineering, The Pennsylvania State College	1895
WALLACE, JOHN F..... 4427 Greenwood Ave., Chicago, Ill.	General Manager, Illinois Central Railroad Co.....	1903
WEBB, HOWARD S..... Orono, Me.	Professor of Electrical Engineering, University of Maine.....	1897
WELD, LAENAS G..... 612 North Dubuque St., Iowa City, Ia.	Professor of Mathematics and Dean of Graduate College, State University of Iowa; State Superintendent of Weights and Measures for Iowa.....	1903
WHIPPLE, GEORGE C..... Brooklyn, N. Y.	Director of Mt. Prospect Laboratory, Flatbush Ave. and Eastern Parkway.	1896
WHITE, JAMES McLAREN... Champaign, Ill.	Professor of Architectural Engineer- ing, University of Illinois.....	1900
WHITNEY, WILLIS R..... Boston, Mass.	Assistant Professor of Theoretical Chemistry, Massachusetts Institute of Technology, Boston, Mass., Director of Research Laboratory of the General Electric Company, Schenectady, N. Y.....	1902
WILLETT, JAMES R..... 434 Jackson Boulevard, Chicago, Ill.	Architect	1896
WILLIAMS, FRANK B..... 12 Gillespie Street, Schenectady, N. Y.	Associate Professor of Engineering, Union College.....	1901
WILLIAMS, SYLVESTER N.... Mt. Vernon, Iowa.	Professor of Civil Engineering, Cornell College.....	1893
WILLISTON, ARTHUR L..... Brooklyn, N. Y.	Director Department of Science and Technology, Pratt Institute.....	1897
WILMORE, JOHN J..... Auburn, Ala.	Professor of Mechanical Engineering, Alabama Polytechnic Institute.....	1894
WILSON, VICTOR T..... Ithaca, N. Y.	Instructor in Freehand and Mechan- ical Drawing, Cornell University...	1898

NAME AND ADDRESS.	TITLE.	DATE OF MEMBERSHIP.
WING, CHARLES B..... Stanford University, California.	Professor of Structural Engineering, Leland Stanford Junior University..	1895
WOOD, ARTHUR J..... Newark, Del.	Professor of Mechanical and Elec- trical Engineering, Delaware College.	1898
WOODWARD, CALVIN M..... St. Louis, Mo.	Dean of the School of Engineering and Architecture, Washington Uni- versity	1894
WOODWARD, ROBERT S..... New York, N. Y.	Professor of Mechanics and Mathe- matical Physics, Columbia Univer- sity	1893
YOUNG, LEWIS E..... Ames, Ia.	Assistant Professor of Mining En- gineering, Iowa State College.....	1903
ZIMMERMAN, OLIVER B..... 222 Charter St., Madison, Wis.	Assistant Professor of Machine De- sign, University of Wisconsin.....	1902
ZIWET, ALEXANDER..... Ann Arbor, Mich.	Professor of Mathematics, University of Michigan.....	1897

GEOGRAPHICAL DISTRIBUTION OF MEMBERS.

Alabama.—Crenshaw, Fullan, Kay, Wilmore.

Arkansas.—Gladson, Knoch.

California.—Christy, Cruikshank, Hoskins, Marx, Rowe, Wing.

Colorado.—Alderson, L. G. Carpenter, Duncan, Lawrence, C. S. Palmer.

Connecticut.—Barney, DuBois.

Delaware.—Brown, F. H. Robinson, Wood.

District of Columbia.—Mead.

Florida.—Cox, Mather.

Georgia.—Ford.

Illinois.—Arnold, Baker, Bates, Breckenridge, Brill, M. Brooks, Goodenough, Hasbrouck, Horton, Kerr, Ketchum, Kinsley, Macomber, Ricker, Short, Slocum, C. B. Stewart, A. N. Talbot, Wallace, White, Willett.

Indiana.—Esterline, Fermier, Goldsborough, Goss, Gray, Hancock, Hatt, M. A. Howe, Kenyon, Ludy, McColl, Matthews, Mees, Pence, W. P. Turner, Waldo.

Iowa.—S. W. Beyer, Bissell, Lanphear, Magowan, Marston, Meeker, Spinney, Weld, S. N. Williams, Young.

Kansas.—Diemer, Marvin.

Kentucky.—F. P. Anderson, J. P. Brooks, Faig.

Louisiana.—D. S. Anderson, Ayers, Creighton, Herget, Ordway.

Maine.—Boardman, Grover, Webb.

Maryland.—Flint, Halsted, A. W. Harris.

Massachusetts.—Adams, C. F. Allen, C. M. Allen, Anthony, Bray, Chandler, Chase, Dean, Engler, A. W. French, Hofman, Hollis, Johnson, Kinealy, Lanza, Mendenhall, Ostrander, Park, D. Porter, Puffer, R. H. Richards, Robbins, Sedgwick, A. L. Smith, H. B. Smith, W. B. Snow, Swain, H. P. Talbot, D. L. Turner, Tyler, Whitney.

Michigan.—Bixby, Cooley, Denison, F. W. Denton, Fisher, Frink, Hood, McNair, Midgett, Morley, Reynolds, Sperr, Vedder, Ziwet.

Minnesota.—Brooke, Constant, Henry T. Eddy, Flather, Frankforter, Groat, Haynes, Hoag, F. S. Jones, Kavanaugh, Schmidt, Shepardson, Springer.

Mississippi.—Drane, Hume.

Missouri.—Fernald, Greene, E. G. Harris, Hedrick, J. M. Kent, Ladd, Langsdorf, Maitland, Moore, W. K. Palmer, Richardson, Spalding, Timmerman, Van Ornum, Waddell, C. M. Woodward.

Montana.—Gill, Thaler.

Nebraska.—Chatburn, Davis, Price, C. R. Richards, Stout.

Nevada.—Stubbs.

New Hampshire.—Fletcher, Hawes, Hazen, Holden, Mann, Nesbit, Pettee.

New Jersey.—J. E. Denton, Ganz, A. C. Humphreys, Jacobus, H. S. S. Smith, Titsworth.

New York.—Aldrich, Barr, Berg, J. S. Brown, Browne, Burr, R. C. Carpenter, Colburn, Colby, Corthell, Crandall, Durand, Edmands, Farwell, Foyé, Griffin, Harrington, Haviland, Hibbard, Hutton, Jacoby, Jameson, F. R. Jones, Kaup, W. Kent, Landreth, McCaustland, Moran, Munroe, Norris, Pupin, Raymond, Russell, Ryan, Sever, Sheldon, H. E. Smith, C. H. Snow, Towle, Turrill, J. E. Wadsworth, Whipple, F. B. Williams, Williston, Wilson, R. S. Woodward.

Ohio.—Benjamin, Bradford, H. W. Brown, Caldwell, Horace T. Eddy, T. E. French, Heller, Hitchcock, C. S. Howe, Lane, Magruder, Neff, Orton, S. W. Robinson, Sanborn, Schneider, Stanwood, Vosskuehler.

Pennsylvania.—Ayer, T. R. Beyer, Brady, Bruegel, Carhart, Drown, Dudley, Esty, Foss, Franklin, Hamerschlag, Ives, J. P. Jackson, Kingsbury, Lambert, LaRue, Marburg, Merriman, J. M. Porter, Powell, Reber, Rondinella, Rowland, Spangler, Thornburg, M. E. Wadsworth, Walker.

Rhode Island.—Blanchard, Hill, Kenerson, Phetteplace, Randall.

South Carolina.—Kyser, Riggs, Thomas.

South Dakota.—Mathews, Solberg.

Tennessee.—Carson, Lund, Schuerman.

Texas.—Giesecke, Love, Nagle, Puryear, Scott, T. U. Taylor.

Utah.—Jenson.

Vermont.—Barrows, Freedman, E. Robinson, Votey.

Virginia.—D. C. Humphreys, Jett, Randolph.

Washington.—Fowler, Fuller, More, Roberts.

West Virginia.—Emory, C. R. Jones.

Wisconsin.—Bull, Burgess, D. C. Jackson, Mack, Maurer, Phillips, Richter, L. S. Smith, W. D. Taylor, Turneaure, Zimmerman.

Australia.—Barracrough.

Canada.—Bovey, Brydone-Jack, Galbraith, Owens, Rosebrugh, L. B. Stewart, Wright.

England.—Swift.

DIFFERENT INSTITUTIONS REPRESENTED:—

Colleges and Universities teaching engineering.....	81
Manual Training Schools.....	11
Correspondence Schools (3 representatives).....	1
Three institutions are represented by 13 members; one by 12; one by 11; two by 10; one by 8; four by 6; five by 5; five by 4; eleven by 3; eighteen by 2; thirty by 1. Manual Training Schools by 18.	
Teachers, and, in many cases, also practitioners.....	279
Practicians not teachers	47
Total	326

GEOGRAPHICAL SUMMARY OF MEMBERS.

Alabama	4	Maryland	3	South Dakota	2
Arkansas	1	Massachusetts	31	Tennessee	3
California	6	Michigan	14	Texas	6
Colorado	5	Minnesota	13	Utah	1
Connecticut	2	Mississippi	2	Vermont	4
Delaware	3	Missouri	16	Virginia	4
District of Columbia.	1	Montana	2	Washington	1
Florida	2	Nebraska	5	West Virginia	2
Georgia	1	Nevada	1	Wisconsin	11
Illinois	21	New Hampshire.....	7	Australia	1
Indiana	15	New Jersey.....	6	Canada	7
Iowa	10	New York.....	46	England	1
Kansas	2	Ohio	18		
Kentucky	3	Pennsylvania	27	Total	326
Louisiana	5	Rhode Island.....	5		
Maine	3	South Carolina	3		

40 States, District of Columbia, Canada, and 2 foreign countries.

DECEASED MEMBERS.

NAME.	YEAR OF ELECTION.	DATE OF DEATH.	MEMOIR. Vol. Page.
VOLNEY G. BARBOUR.....	1894.....	June 4, 1901.	IX, 340
CHARLES B. BRUSH.....	1893.....	June 3, 1897.	VII, 181
ECKLEY B. COXE.....	1894.....	May 13, 1895.	VII, 182
FRANCIS R. FAVA, JR....	1894.....	March 28, 1896.	VII, 183
ESTEVEAN A. FUERTES.....	1894.....	January 16, 1903.	XI, 372
HENRY FULTON.....	1894.....	December 6, 1901.	X, 258
HERBERT G. GEER.....	1894.....	March 7, 1900.	VIII, 371
JOHN B. JOHNSON.....	1893.....	June 23, 1902.	X, 259
RODNEY G. KIMBALL.....	1894.....	April 25, 1900.	X, 261
JUSTUS M. SILLIMAN.....	1894.....	April 15, 1896.	VII, 184
JAMES H. STANWOOD.....	1894.....	May 24, 1896.	VII, 185
ROBERT H. THURSTON.....	1893.....	Oct. 25, 1903.	XII, ...
ALPHONSE N. VAN DAELL.	1897.....	March 28, 1899.	VII, 186
JOHN R. WAGNER.....	1894.....	January 21, 1899.	VII, 187
FRANCIS A. WALKER.....	1896.....	January 5, 1897.	VII, 188
NELSON O. WHITNEY.....	1893.....	March 17, 1901.	IX, 339
DE VOLSON WOOD.....	1893.....	June 27, 1897.	V, 325

PAST OFFICERS.

Special Committee for Division E (Engineering Education), World's Engineering Congress, 1893.

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JOHN GALBRAITH, JOHN M. ORDWAY, 1896-7,
THOMAS C. MENDENHALL, HARRY W. TYLER, 1897-8,
C. FRANK ALLEN, HENRY W. SPANGLER, 1898-9,
ROBERT FLETCHER, CHARLES D. MARX, 1899-1900,
THOMAS GRAY, ALBERT KINGSBURY, 1900-01,
STORM BULL, CALVIN M. WOODWARD, 1901-02.
JOHN J. FLATHER, FRED W. McNAIR, 1902-03.

TREASURERS.

STORM BULL, 1893-5, CLARENCE A. WALDO, 1899-02,
JOHN J. FLATHER, 1895-9, ARTHUR N. TALBOT, 1902-03.

SECRETARIES.

JOHN B. JOHNSON, 1893-5, EDGAR MARBURG, 1899-1900,
C. FRANK ALLEN, 1895-7, HENRY S. JACOBY, 1900-02.
ALBERT KINGSBURY, 1897-9, CLARENCE A. WALDO, 1902-03.

* Died June 27, 1897. † Died June 23, 1902. ‡ Died Oct. 25, 1903.

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Terms of Office Expired in 1894.

M. E. COOLEY,	H. T. EDDY,	W. F. M. GOSS,
W. R. HOAG,	S. W. ROBINSON,	H. W. SPANGLER,
	R. H. THURSTON.‡	

Terms of Office Expired in 1895.

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MANSFIELD MERRIMAN,	W. G. RAYMOND,	G. F. SWAIN,
	DE VOLSON WOOD.*	

Terms of Office Expired in 1896.

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JOHN GALBRAITH,	J. B. JOHNSON,†	F. O. MARVIN,
	C. D. MARX.	

Terms of Office Expired in 1897.

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ALBERT KINGSBURY,	L. S. RANDOLPH,	S. W. ROBINSON,
	R. H. THURSTON.‡	

Terms of Office Expired in 1898.

C. F. ALLEN,	C. L. MEES,	MANSFIELD MERRIMAN,
J. M. ORDWAY,	W. G. RAYMOND,	CADEY STALEY,
	R. S. WOODWARD.	

Terms of Office Expired in 1899.

ARTHUR BEARDSLEY,	ROBERT FLETCHER,	JOHN GALBRAITH,
WILLIAM KENT,	T. C. MENDENHALL,	W. H. SCHUERMAN,
	M. E. WADSWORTH.	

Terms of Office Expired in 1900.

STORM BULL,	L. G. CARPENTER,	ALBERT KINGSBURY,
F. O. MARVIN,	R. B. OWENS,	R. L. SACKETT,
	R. H. THURSTON.‡	

Terms of Office Expired in 1901.

T. M. DROWN,	M. A. HOWE,	I. N. HOLLIS,
GAETANO LANZA,	P. C. RICKETTS,	R. G. THOMAS,
	C. M. WOODWARD.	

Terms of Office Expired in 1902.

BROWN AYERS,	G. W. BISSELL,	J. J. FLATHER,
W. T. MAGRUDER,	F. W. MCNAIR,	J. M. PORTER,
	A. J. WOOD.	

Terms of Office Expired in 1903.

C. FRANK ALLEN,	D. C. JACKSON,	N. C. RICKER,
J. P. BROOKS,	EDGAR MARBURG,	A. L. WILLISTON,
	J. C. NAGLE.	

* Died June 27, 1897.

† Died June 23, 1902.

‡ Died Oct. 25, 1903.

CONSTITUTION

OF THE

Society for the Promotion of Engineering Education.

1. NAME.—This organization shall be called the SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION.

2. MEMBERS.—Members of the Society shall be those who occupy, or have occupied, responsible positions in the work of engineering instruction, together with such other persons as may be recommended by the Council.

Honorary Members of the Society shall be such persons as may be recommended by unanimous vote of the Council after a letter ballot. They shall not have the right to vote, shall not be eligible to office, and shall not be required to pay any fees or dues.

The name of each candidate for membership shall be proposed in writing to the Council by two members to whom he is personally known. Such name, if approved by the Council, shall be voted on by the Society at the annual meeting.

3. OFFICERS.—There shall be a President, two Vice-Presidents, a Secretary and a Treasurer, each to hold office for one year. They shall be chosen by vote of the members at the annual meeting.

4. COUNCIL.—The Council of this Society shall consist of twenty-one elective members, one-third of whom shall retire annually. The officers and the past Presidents of the Society shall be members of the Council *ex officio*.

Any member of this Society shall be eligible to election to the Council, provided that not more than one elective member shall be from any one college.

Members of the Council shall be elected by ballot by the Society, at its annual meeting.

The Council shall constitute a general executive body of the Society, pass on proposals for membership, attend to all business of the Society, receive and report on propositions for amendments to the constitution, and shall have power to fill temporary vacancies in the offices.

5. NOMINATING COMMITTEE.—The Nominating Committee shall consist of the Past Presidents and the seven elective members of the Council retiring the following year, provided, however, that if, of this committee, the number in attendance at any

meeting be less than five, the President shall make appointments so as to form a committee of five.

6. FEES AND DUES.—The admission fee, which shall also include the first year's dues, shall be three dollars, and the annual dues thereafter three dollars, payable at the time of the annual meeting. Those in arrears more than one year shall not be entitled to vote, nor to receive copies of the Proceedings, and such members shall be notified thereof by the Secretary one month previous to the annual meeting. Any member who shall be in arrears more than two years and shall have been duly notified by the Secretary, shall be thereby dropped from the roll, excepting such arrearage shall be paid previous to the next ensuing annual meeting; and no such member shall be restored until he has paid his arrears.

7. MEETINGS.—There shall be a regular meeting occurring at the time and place of the meeting of the American Association for the Advancement of Science, or of some one of the National Engineering Societies, or otherwise as the Council may determine.

8. PUBLICATION.—The Proceedings of the Society, and such papers or abstracts as may be approved by the Council, shall be published as soon as possible after each annual meeting.

9. AMENDMENTS.—This Constitution may be amended by a two-thirds vote at any regular meeting, the amendment having been approved by a two-thirds vote of the Council, taken by letter ballot.

RULES GOVERNING THE COUNCIL.

First. The officers of the Society shall constitute a committee to arrange the time and place of the annual meeting, and also to prepare a programme for the same.

Second. The President, Secretary and Treasurer shall constitute an Executive Committee, which shall have charge of all matters relating to the business affairs of the Society not otherwise provided for.

Third. The reading of papers shall be limited to fifteen minutes each, and abstracts of the same of about three hundred words or less shall be printed when practicable and distributed in advance to the members.

Fourth. The time occupied by each person in the discussion of any paper shall not exceed five minutes.

